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KENTUCKY WEEKLY CROP & WEATHER REPORT



In Cooperation with:
Univ. of Ky - Agr'l Weather Center
U.S. Dept. of Commerce - NOAA
Kentucky Department of Agriculture
Cooperative Extension Service

LELAND E. BROWN, Director

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AGRICULTURAL NEWS: Kentucky received much needed rainfall due to the remains of Tropical Storm Hermine. Temperatures for the State were mostly above normal with low humidity for the week. Concerns continue to be present throughout the State for crop outcomes despite rainfall this week. **Topsoil moisture** was rated as 40 percent very short, 31 percent short, 28 percent adequate, and 1 percent surplus. **Subsoil moisture** was rated as 40 percent very short, 39 percent short and 21 percent adequate. There were 5.7 days out of a possible 7 that were suitable for fieldwork. Main farm activities last week included cutting and housing tobacco, shelling corn, and other general farm work.

ROW CROPS: Over half of the corn has been harvested, compared to 19 percent for the five year average. Eighty-seven percent of the corn acreage was considered mature, well ahead of the 42 percent for the previous year and the five year average of 71 percent. Ninety-eight percent of the corn acreage was in the dent stage, ahead of both the previous year at 91 percent and the five year average of 94 percent. Condition of the corn crop was rated 5 percent very poor, 15 percent poor, 34 percent fair, 40 percent good, and 6 percent excellent. Fifty-three percent of soybeans were shedding leaves, compared to 17 percent last year, and 20 percent for the five year average. Soybean crop condition was reported as 8 percent very poor, 22 percent poor, 43 percent fair, 20 percent good, and 7 percent excellent.

TOBACCO: Housed tobacco conditions were reported as 2 percent very poor, 7 percent poor, 31 percent fair, 51 percent good and 9 percent excellent. As of September 12, 65 percent of the dark tobacco and 74 percent of the burley was cut.

OTHER CROPS AND PASTURE: While livestock has benefitted from moderate temperatures and humidity; ponds, pastures and hay all need a good, steady rain. Pastures were rated as 17 percent very poor, 32 percent poor, 22 percent fair, 26 percent good, and 3 percent excellent. Hay crop condition was rated as 11 percent very poor, 21 percent poor, 34 percent fair, 27 percent good, and 7 percent excellent.

CROP PROGRESS for week ending 09/12/10

Crop Stage	This Week	Last Week	Last Year	5-Yr Avg
Percent				
Corn Dent	98	94	91	94
Corn Mature	87	75	42	71
Corn Harvested	54	33	5	19
Soybeans Dropping Leaves	53	30	17	20
Soybeans Mature	20	NA	0	2
Burley Tobacco Cut	74	60	63	69
Dark Tobacco Cut	65	52	54	61

SOIL MOISTURE for week ending 09/12/10

	Very Short	Short	Adequate	Surplus
Percent				
Topsoil	40	31	28	1
Subsoil	40	39	21	0

CROP CONDITIONS for week ending 09/12/10

Crop	Very Poor	Poor	Fair	Good	Ex
Percent					
Corn	5	15	34	40	6
Soybeans	8	22	43	20	7
Pasture	17	32	22	26	3
Hay Crops	11	21	34	27	7
Tobacco	2	7	31	51	9

KENTUCKY WEATHER SUMMARY, SEPTEMBER 6 - 12, 2010:

Above Normal Temperature and Above Normal Rainfall:

This past week the Commonwealth finally got some rainfall courtesy of the remnants of Tropical Storm Hermine. The Western climate division was in the most need of rainfall and received the most. The Bluegrass climate division was also in need of some rainfall; however it received the least amount of rain and was the only climate division to receive less than normal for the week. Temperatures for the week were just above normal with low humidity, which made for a comfortable week.

Temperatures for the period averaged 71 degrees across the state which was 2 degrees above normal and 2 degrees cooler than the previous week. High temperatures averaged from 84 in the West to 82 in the East. Departure from normal high temperatures ranged from 1 degree above normal in the West to 2 degrees above normal in the East. Low temperatures averaged from 61 degrees in the West to 56 degrees in the East. Departure from normal low temperature ranged from 2 degrees above normal in the West to 1 degree below normal in the East.

Rainfall for the period totaled 1.09 inches statewide which was 0.29 inches above normal. Rainfall totals by climate division, West 1.92 inches, Central 1.11 inches, Bluegrass 0.42 inches and East 0.93 inches, which was +1.10, +0.26, -0.35 and +0.15 inches respectively from normal. By station, rainfall totals ranged from a low of 0.09 inches at Hardinsburg to a high of 4.24 inches at Bardstown.

Tom Priddy

KENTUCKY TEMPERATURES AND RAINFALL FOR WEEK ENDING SUNDAY, SEPTEMBER 12, 7:00 P.M.

Weather Station	Rainfall			Deviation From		Air Temperature				Growing Degree Days		
	Last Week	Since April 1	Last Four Wks	Norm Since Apr. 1	Norm Last 4 Wks	High	Low	Wkly. Avg.	Dev. From Norm	Last Week	Since Apr. 1	Dev. Since Apr. 1
		(Inches)						(Degrees Fahrenheit)				
Bardstown	4.24	26.00	4.48	+3.78	+1.17	94	46	69.0	-0	128	3603	+505
Berea	0.23	23.95	1.22	+0.92	-2.44	92	44	69.0	+0	132	3396	+193
Bowling Green	0.93	31.46	5.27	+8.29	+1.97	94	50	73.3	+4	153	3839	+606
Bristol	0.51	15.63	4.85	-3.90	+1.91	97	55	71.6	+3	140	3485	+509
Buckhorn Lake	1.46	22.29	4.29	+0.33	+0.94	88	45	67.5	-1	123	3324	+513
Cape Girardeau	4.53	21.70	5.25	+0.15	+2.02	94	53	72.4	+1	150	3816	+429
Campbellsville	0.78	28.23	1.68	+2.34	-2.53	91	46	69.4	+0	132	3511	+338
Covington	0.25	18.51	0.38	-2.10	-2.50	94	49	69.6	+1	130	3439	+504
Cumberland Gap	1.30	24.83	5.72	+0.85	+2.25	90	46	70.0	+1	139	3554	+608
Dix Dam	1.57	27.23	3.00	+4.38	-0.38	94	51	71.4	+3	143	3521	+380
Evansville	0.30	13.51	0.80	-7.09	-1.99	97	55	72.5	+1	146	3754	+520
Glasgow	0.99	30.25	6.57	+5.14	+2.93	90	51	71.4	+2	143	3690	+547
Grayson	0.18	26.18	0.71	+4.74	-2.33	91	45	67.6	-1	125	3324	+543
Hardinsburg	0.09	19.66	0.34	-3.32	-3.07	94	51	71.8	+2	144	3623	+378
Henderson	0.33	15.19	0.78	-6.05	-2.24	95	50	70.4	-1	133	3629	+365
Huntington	0.00	23.12	0.28	+1.57	-2.87	97	38	69.4	+1	130	3485	+520
Jackson	0.77	23.02	2.32	-0.05	-1.16	92	54	71.4	+3	145	3537	+726
Lexington	0.11	23.80	0.29	+1.58	-3.02	94	52	72.0	+3	146	3527	+550
London	2.07	25.09	6.63	+3.83	+3.53	89	47	69.7	+1	137	3522	+588
Louisville	0.07	23.87	0.82	+2.25	-2.27	98	58	74.9	+6	162	3999	+734
Mayfield	1.85	19.77	2.26	-3.57	-1.30	93	47	73.0	+2	154	3784	+478
Nashville	0.06	38.18	5.17	+16.57	+2.02	97	55	73.4	+4	149	3943	+471
Nolin Lake	0.31	24.48	0.57	+0.06	-3.05	93	47	69.9	+0	134	3559	+552
Paducah	3.59	19.58	6.29	-3.43	+3.09	93	56	74.3	+3	162	3874	+518
Princeton	0.91	24.63	1.81	+1.39	-1.59	92	54	73.3	+2	156	3793	+456
Quicksand	0.13	19.86	2.06	-3.21	-1.42	90	44	67.9	-1	126	3466	+655
Somerset	1.53	29.42	4.60	+5.35	+0.98	89	46	68.6	+0	129	3455	+418
Spindletop	0.24	22.81	0.70	+0.59	-2.61	91	50	70.6	+2	139	3517	+540
Williamstown	0.15	21.07	0.36	-0.80	-2.84	94	49	70.4	+2	136	3411	+434

The above information is provided by Tom Priddy, Kentucky Extension Agricultural Meteorologist, University of Kentucky Agr'l Weather Center (859)257-3000 ext 245. E-mail: priddy@uky.edu Additional Ky weather data available on Internet at: <http://www.wagwx.ca.uky.edu/>